

Monday July 20, 2015

INTRODUCTION & FOUNDATION TO THE ERA OF BIG DATA

Time:	Topic:	Presenter:
8:00–8:50am	Meet & Greet	All participants
8:50–9:00am	Program Opener/ Introductions & Program Host	Mary B. Engler, PhD., RN, MS NINR Training Director, DIR
9:00 – 9:45am	Welcome & Program Overview	Patricia Grady, PhD., RN, FAAN Director, National Institute of Nursing Research
9:45–10:45am	Opening Keynote: Human Genomics, Precision Medicine Initiative, and Advancing Human Health	Eric Green, MD, PhD. Director, National Human Genome Research Institute
10:45– 11:00am	BREAK	BREAK
11:00am – 12:00	Big Data Analytics for Healthcare	Bonnie Westra, PhD., RN, FAAN, FACMI University of Minnesota
12:00– 1:15	Big Data in Nursing Research	Patricia Brennan, PhD., RN, FAAN University of Wisconsin-Madison
1:15 – 2:15pm	LUNCH	LUNCH
2:15 – 3:30pm	Nursing & Health Informatics: Empowering Research	Connie Delaney, PhD., RN, FAAN, FACMI University of Minnesota
3:30 – 3:45pm	BREAK	BREAK
3:45 – 5:00 pm	Big Data, Symptom Science, and Health Disparities: The Promise and the Peril	Suzanne Bakken, DNSc, RN, FAAN Columbia University
5:00– 5:15pm	Questions / Closing Remarks	

Tuesday July 21, 2015

CLINICAL PRACTICE: BIG DATA IN SYMPTOM RESEARCH

Time:	Topic:	Presenter:
8:30–9:45am	Research Use of Clinical Data	Clement McDonald, MD NIH National Library of Medicine
9:45 –11:00am	Becoming a Data Scientist	Patricia Mabry, PhD. Office of Disease Prevention Office of the Director, NIH
11:00 – 11:15am	BREAK	BREAK
11:15–12:30	Healthcare Analytics and Patient Outcomes	Bonnie Westra, PhD., RN, FAAN, FACMI University of Minnesota
12:30 – 1:30	LUNCH	LUNCH
1:30 – 2:45pm	Harnessing Big Data in Practice: Emerging Roles in Informatics	Patricia Abbott, PhD., RN, FAAN, FACMI University of Michigan
2:45 – 3:00pm	BREAK	BREAK
3:00 – 4:00pm	Integrating Symptom Science with Big Data	Dianne Reeves, RN, MSN NIH National Cancer Institute
4:00 – 5:30pm	Group Network Reception (Sponsored by FAES)	All Presenters and Participants

Wednesday July 22, 2015

ETHICAL, LEGAL AND REGULATORY ASPECTS IN DATA USE

Time:	Topic:	Presenter:
8:30-9:45am	Ethics: The Challenge of Ethical, Legal & Social Implications in Nursing Research	Kathi Huddleston, PhD., RN, CCRC Inova Translational Medicine Institute
9:45 -11:00am	Health Databases & Electronic Data Methods	Erin Holve, PhD., M.P.H., M.P.P. Academy Health
11:00 - 11:15am	BREAK	BREAK
11:15-12:30	Health Information Technology: Privacy & Security Protections for Electronic Personal Health Information	Alice Leiter, JD Hogan Lovells
12:30 - 1:45	LUNCH	LUNCH
1:45 - 3:00pm	How Can Computerized Systems Be Used in FDA Regulated Clinical Investigations?	Jonathan S. Helfgott, MS FDA, OSI, OC, CDER, DHHS
3:00 - 3:15pm	BREAK	BREAK
3:15 - 4:30pm	Using Healthcare Analytics Software to Integrate Data	Jean Stanford, MS Del Ray Analytics Vincent Stanford, MS Data Scientist, National Institute of Standards & Technology
4:30 - 5:00pm	Closing Remarks / Questions	

Thursday July 23, 2015

DATA MINING AS A TOOL FOR RESEARCH & KNOWLEDGE DEVELOPMENT

Time:	Topic:	Presenter:
8:30–9:30 am	Incidental Findings Related to Whole Genome Sequencing	Ann Cashion, PhD., RN, FAAN Scientific Director National Institute of Nursing Research
9:30 –10:30a m	Introducing Three NCBI Resources to Navigate Testing for Disease Linked Variants: MedGen, GTR, and ClinVar	Wendy Rubinstein, MD, PhD, NIH, National Library of Medicine
10:30 – 10:45	BREAK	BREAK
10:45 –11:45	Human Genomes and Big Data Challenges	Gerry Higgins, MD, PhD. AssureRx Health, Inc.
11:45 – 12:45	The Utility of Clinical Genomic Databases in Big Data	Medha Bhagwat, PhD NIH Library
12:45 - 1:30pm	LUNCH	LUNCH
1:30 – 3:00 pm	Genomic Dataset Application Exercise (Group A) Tour of the NIH Clinical Center (Group B)	Medha Bhagwat, PhD. NIH Tour Guides
3:15 – 4:45pm	Genomic Dataset Application Exercise (Group B) Tour of the NIH Clinical Center (Group A)	Medha Bhagwat, PhD. NIH Tour Guides

Friday July 24, 2015
BRINGING IT ALL TOGETHER

Time:	Topic:	Presenter:
8:30–9:45am	Outcomes of Big Data	Sandra Mitchell, PhD. Research Scientist Outcomes Research Branch; Healthcare Delivery Research Program; Division of Cancer Control and Population Sciences; National Cancer Institute
9:45 –10:15am	BREAK	
10:15 –11:30 am	Boot Camp Summary	Augie Diana, PhD. NINR Extramural Division; Team lead, Small Business, Technology & Informatics
11:30 – 1:00pm	LUNCH	LUNCH
1:00 – 4:30pm	Presentations and Panel Q&A: Funding Opportunities for Training, Career Development, and Big Data Research	National Institute of Nursing Research (NINR) <ul style="list-style-type: none"> • Martha Matocha, PhD. NINR Program Director • David Banks, PhD. Health Scientist Administrator National Library of Medicine (NLM) <ul style="list-style-type: none"> • Valerie Florance, PhD. Director of Extramural Programs National Cancer Institute (NCI) <ul style="list-style-type: none"> • J. Jerry Li, M.D., PhD. Program Director Division of Cancer Biology